



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB10826 - Goat Anti-Sirtuin 1 / SIRT1 (aa577-590) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SIRT1, sirtuin 1, SIR2L1, NAD-dependent deacetylase sirtuin-1, OTTHUMP00000198111, OTTHUMP00000198112, SIR2-like protein 1, SIR2alpha, hSIR2, sir2-like 1, sirtuin type 1

**Official Symbol:** SIRT1

**Accession Number(s):** NP\_036370.2; NP\_001135970.1

**Human GeneID(s):** [23411](#)

**Non-Human GeneID(s):** 93759 (mouse)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_036370.2; NP\_001135970.1).

### Immunogen

Peptide with sequence C-EKPQEVQTSRNVES, from the internal region of the protein sequence according to NP\_036370.2; NP\_001135970.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Approx 120kDa band observed in lysates of cell line Jurkat (calculated MW of 81.7kDa according to NP\_036370.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Cheng et al, Proc Natl Acad Sci U S A. 2003 Sep 16;100(19):10794-9.; PMID: 12960381). Recommended concentration: 0.05-0.2µg/ml.

**IHC:** In paraffin embedded Human Skin shows perinuclear staining in select keratinocytes. Recommended concentration, 3-5µg/ml.

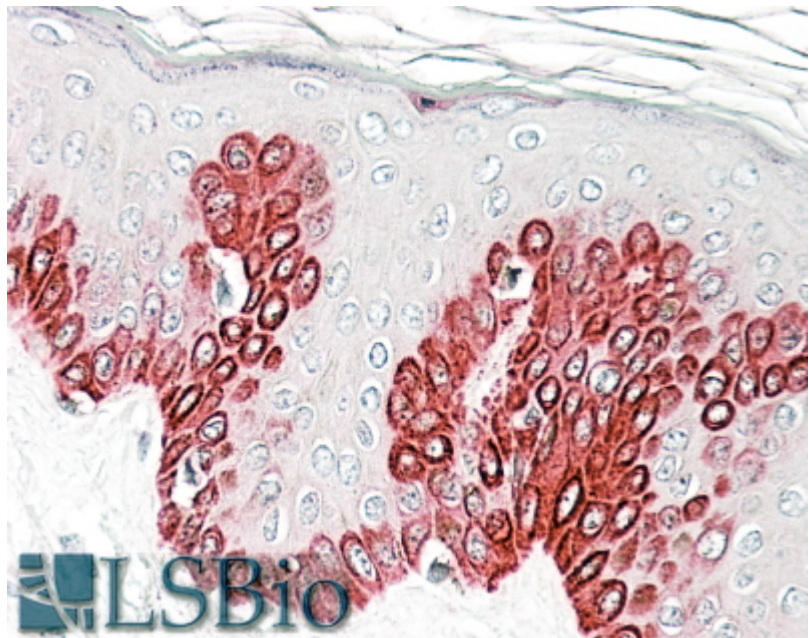
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse



EB10826 (0.05 $\mu$ g/ml) staining of Jurkat lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10826 (3.8 $\mu$ g/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.